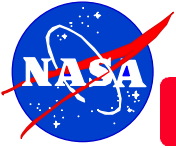


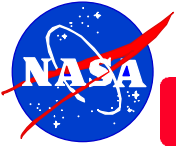
Section 4

Technology Transfer and Infusion



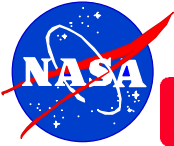
Technology Transfer and Infusion

- ◆ *The NMP sponsors technology validation missions that lower the cost and increase the performance of future missions by rapidly infusing newly-validated technologies*
- ◆ *Technology transfer into new applications and infusion into future missions are therefore essential objectives of the NMP*
- ◆ *This workshop is the first of several to facilitate the transfer and infusion of EO-1 technologies*
- ◆ *Separate technology transfer documentation will be prepared for each technology*
- ◆ *Infusion opportunities tend to be specific to each technology and vary considerably*
- ◆ *All infusion discussions are treated confidentially*



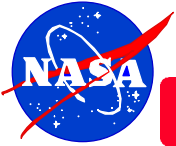
Technology Transfer

- ◆ ***Once the flight validations are completed, the EO-1 Mission Technologist completes the Technology Transfer documentation***
- ◆ ***This consists of:***
 - *Description of the technology*
 - *Ground verification / validation*
 - *Technical validation on-orbit*
 - *Science validation on-orbit*
 - *Usage experiences both the ground and in space*
 - *Proposed applications*
 - *Technology infusion opportunities*
 - *Contact information*
- ◆ ***Distribution of Technology Transfer Documentation:***
 - *Initially available on the EO-1 Web site*
 - *Workshops -- first in January 2001, second planned for August 2001*
 - *Conferences*
 - *Published papers*



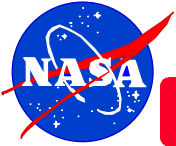
Technology Infusion

- ◆ *Technology Infusion opportunities are described in the Technology Transfer Documentation*
- ◆ *They tend to vary from outright acquisition of the technology in the case of NASA-owned technologies to negotiated use in the case of commercially-owned technologies*
- ◆ *Technology infusion discussions are essentially follow-up activities to the distribution and presentation of the Technology Transfer documentation*
- ◆ *These discussions are held one-on-one with potential users and all are treated confidentially*
- ◆ *A specific Technology Infusion Plan is developed for those interested in incorporating a technology into a future mission*
- ◆ *Where appropriate, NASA is willing to provide limited funding to facilitate the infusion process*
- ◆ *The Mission Technologist is the contact for this process*
 - *Nick Speciale at 301-286-8704*



Technology Workshops

- ◆ ***First workshop in January 2001 with emphasis on the three EO-1 instruments:***
 - *Advanced Land Imager*
 - *Hyperion*
 - *Atmospheric Corrector*
- ◆ ***Second, longer workshop planned for August 2001:***
 - *To discuss preliminary flight-validation results and usage experiences with the instruments*
 - *To discuss spacecraft technologies in the same detail as instruments*
 - *To review available Technology Transfer Documentation*
 - *To begin development and implementation of individual Technology Infusion Plans*
 - *To ponder the feasibility of an Extended Mission to consider data sharing arrangements and tasking opportunities to interested parties*



Technology Workshops (continued)

- ◆ ***Third workshop planned for March 2002:***
 - *To present final results of flight-validations*
 - *To present Technology Transfer Documentation*
 - *To review status of existing Technology Infusion Plans*
 - *To review status of Extended Mission if approved for FY'02*
 - *To push to complete development of Technology Infusion Plans by end of FY'02*
- ◆ ***EO-1 activities conclude at the end of FY'02:***
 - *Technology Transfer Documentation subsequently available through NMP*
 - *Subsequent Technology Infusion activities managed by NMP*
 - *EO-1 Lessons Learned completed by end of FY'02 and available through NMP*